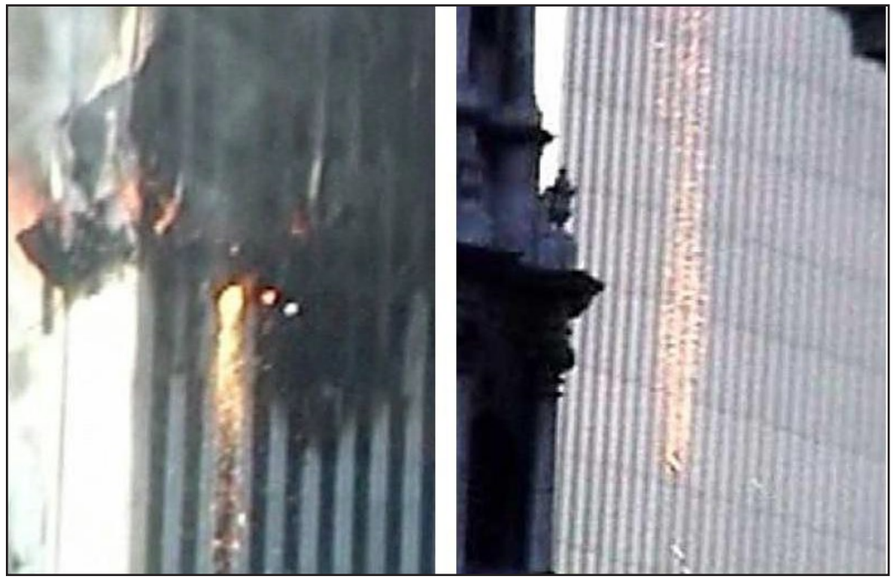
Thermite, and other core questions...



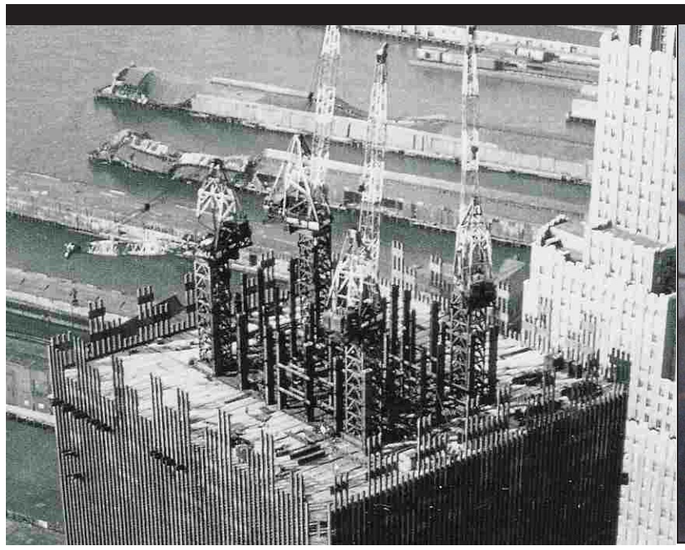
Thermite is a mixture of powderized iron-oxide and aluminium. Its violent exothermic redox reaction produces molten iron and aluminium oxide, which escapes as white smoke. It reaches temperatures of up to 4400°F -- more than sufficient to melt through steel columns like the proverbial hot knife through butter.

The pictures to the left were taken minutes before the South Tower‘s collapse. They show liquid, orange/yellow hot metal dripping from the impact zone. This observation, as well as reports and photographic evidence of molten steel and/or iron in the debris field underneath 1,2 and 7 (see right, for example) suggest that thermite was used to initiate the collapse in lieu of conspicuous, externally visible and audible cutting charges preceding the downward movement in conventional demolitions.

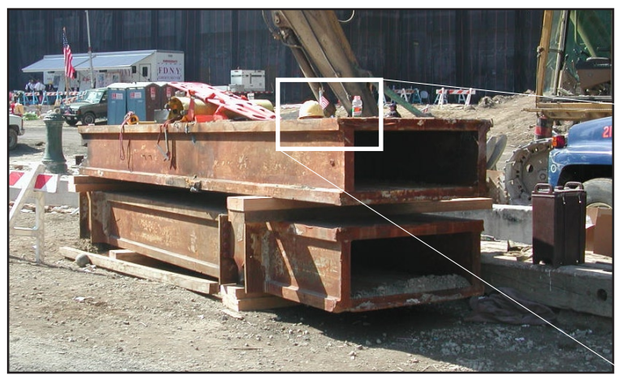
A variant of thermite, which by addition of barium nitrate and sulphur reaches even higher temperatures, is called "thermate“. Professor of physics Steven E. Jones of Brigham Young University performed an independent analysis of some privately collected remains of the WTC, most of which had been quickly removed and shipped overseas before the 9/11 Commission got started (441 days after 9/11). He found residue that clearly indicates the use of thermate: Slag of formerly molten iron containing -- you guessed it -- barium and sulphur.

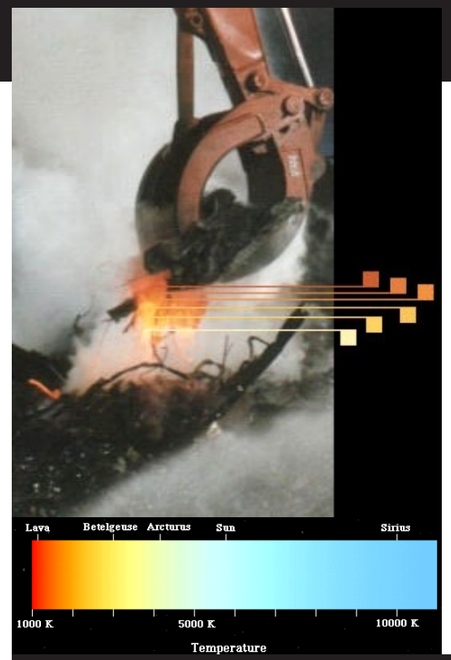
Steel -- essentially iron with some additives -- melts at ~2700°F. How could it have melted from jet fuel fires that top out at ~1800°F in the atmosphere? The laws of nature are, as far as we know, universally valid -- even for neoconservatives.

In light of this obvious and insurmountable scientific obstacle, NIST simply decided to deny the existence of the *corpus delicti* without further ado. Cheers to the scientific method!



Why the angled cut on this column?
Which steelworker would voluntarily cut 1/cos α too far during the clean up?



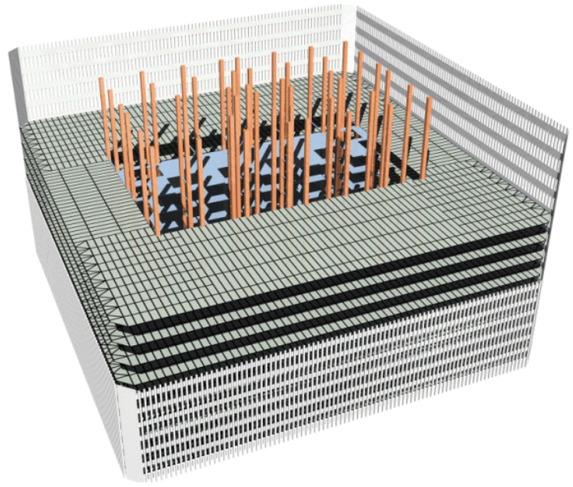


The radiance of black bodies

Apart from the light that an object reflects, it always emits light of its own, corresponding to its temperature. Because in everyday life it mostly is infrared and thus invisible to the human eye, we seldomly notice it (unless we have an infrared-camera with us). Higher temperatures however we see -- as glowing.

According to Planck‘s law of black body radiation, we can determine the temperature of a glowing body by the color of its glow. To the right there is a diagram that illustrates the the relation between color and temperature in the range of 1000 to 10000 Kelvin.

Dude, where‘s my core?



Another detail that has been omitted by the media and governmental panels is the core of the Twin Towers: massive, laterally braced frameworks incorporating 47 large steel columns, which would hardly all have given up the ghost at the same time after being exposed to merely 56 minutes of fire.

Remember: It was claimed the floors had progressively pancaked. But what about the core, then?

Since then, even NIST itself has stated: *"NIST‘s findings do not support the pancake theory of collapse.“*

The caliber of the core columns.